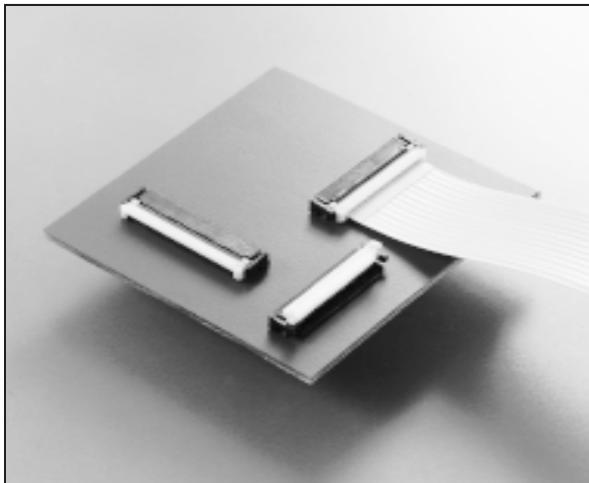


# IL-FHR SERIES CONNECTORS

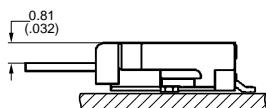
## 0.5mm (.020") Contact Spacing Connectors for FPC



### FEATURES

- SMT configuration
- Low profile
- Rotating slider construction permits slider operation with one hand
- Applicable FPC 0.3mm (.012") center, 0.2mm (.008") thick with reinforcement
- Available in embossed tape for automatic mounting

*Connector Profile (Ref.)*



IL-FHR Series connectors are extremely high density, low profile connectors for PCB-to-FPC applications. The design utilizes a slider for easy, yet reliable, engagement of the flex cable to the contacts. They are ideally used in audio-visual, personal computers, personal digital assistants (PDA) and LCD displays.

### GENERAL SPECIFICATIONS

Number of Contacts	8,10, 14, 15, 18, 20, 22, 26, 30, 32, 33, 36, 40, 45, 50
Contact Spacing	0.5mm (.020")
Applicable FPC	0.5mm (.020") Center 0.3mm (.012") Thick with reinforcement
Current Rating	0.5 Amps
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	20 milliohms max.
Operating Temperature	-40°C to +85°C

### MATERIALS AND FINISHES

Description	Materials/Finishes
Base and Slide Insulator	Glass-filled PPS (UL94V-0)
Contact	Phosphor Bronze/Tin Plated Terminal Area: Tin plating
Hold-down	Phosphor Bronze/Tin Plated

### ORDERING INFORMATION

IL-FHR - \*\*\* S - HF - E3000

Series \_\_\_\_\_

No. of Contacts \_\_\_\_\_

08 – 26

F30 – F50

Contact Type \_\_\_\_\_

S – Socket

Termination \_\_\_\_\_

HF – Right Angle

Embossed Tape \_\_\_\_\_

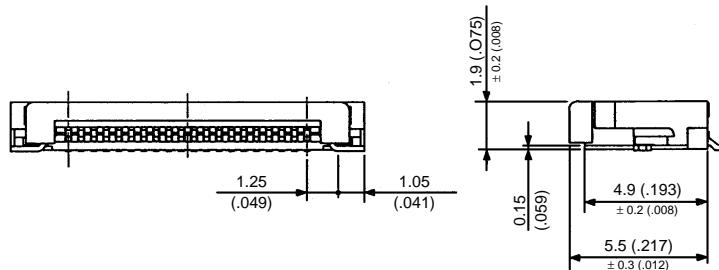
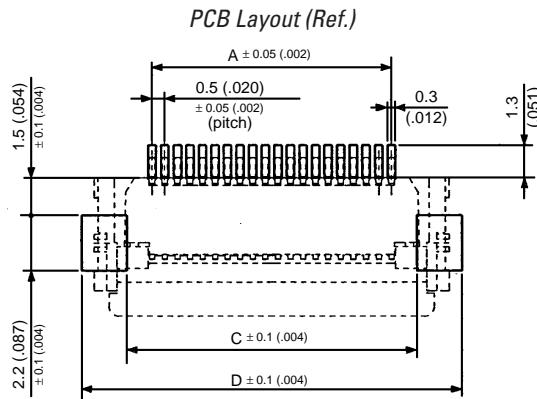
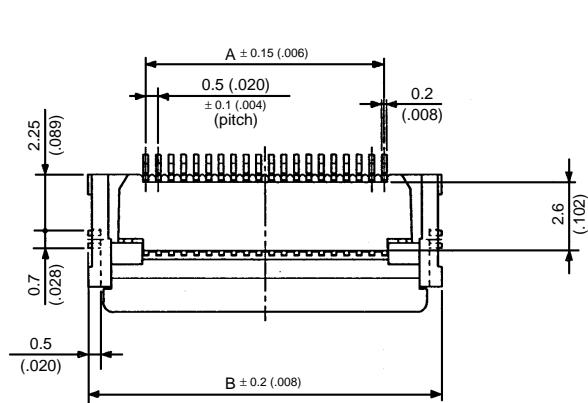
E3000 – 3,000 Pieces/Reel

Dimensions and specifications subject to change without notice.

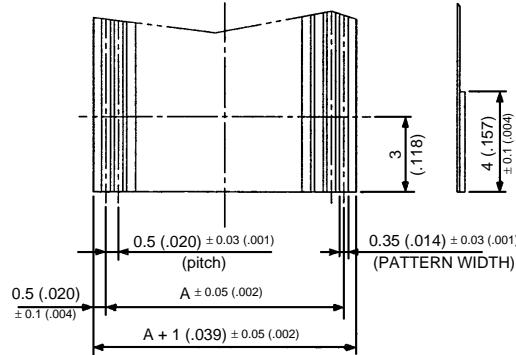
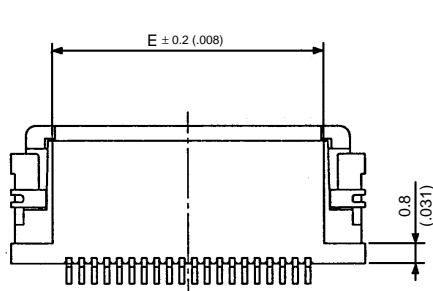
**JAE**

# IL-FHR SERIES CONNECTORS

**0.5mm (.020") Contact Spacing Connectors for FPC**



Applicable FPC (Ref.)



No. of Contacts	Part Number*	A	B	C	D	E
8	IL-FHR- 8S-HF	3.5 (.138)	8.1 (.319)	5.5 (.217)	9.1 (.358)	4.8 (.189)
10	IL-FHR-10S-HF	4.5 (.177)	9.1 (.358)	6.5 (.256)	10.1 (.398)	5.8 (.228)
14	IL-FHR-14S-HF	6.5 (.256)	11.1 (.437)	8.5 (.335)	12.1 (.476)	7.8 (.307)
15	IL-FHR-15S-HF	7 (.276)	11.6 (.457)	9 (.354)	12.6 (.496)	8.3 (.327)
18	IL-FHR-18S-HF	8.5 (.335)	13.1 (.516)	10.5 (.413)	14.1 (.555)	9.8 (.386)
20	IL-FHR-20S-HF	9.5 (.374)	14.1 (.555)	11.5 (.453)	15.1 (.594)	10.8 (.425)
22	IL-FHR-22S-HF	10.5 (.413)	15.1 (.594)	12.5 (.492)	16.1 (.634)	11.8 (.465)
26	IL-FHR-26S-HF	12.5 (.492)	17.1 (.673)	14.5 (.571)	18.1 (.713)	13.8 (.543)
30	IL-FHR-F30S-HF	14.5 (.571)	19.1 (.752)	16.5 (.650)	20.1 (.791)	15.8 (.622)
32	IL-FHR-F32S-HF	15.5 (.610)	20.1 (.791)	17.5 (.689)	21.1 (.831)	16.8 (.661)
33	IL-FHR-F33S-HF	16 (.630)	20.6 (.811)	18 (.709)	21.6 (.850)	17.3 (.681)
36	IL-FHR-F36S-HF	17.5 (.689)	22.1 (.870)	19.5 (.768)	23.1 (.909)	18.8 (.740)
40	IL-FHR-F40S-HF	19.5 (.768)	24.1 (.949)	21.5 (.846)	25.1 (.988)	20.8 (.813)
45	IL-FHR-F45S-HF	22 (.866)	26.6 (1.047)	24 (.945)	27.6 (1.082)	23.3 (.917)
50	IL-FHR-F50S-HF	24.5 (.965)	29.1 (1.146)	26.5 (1.043)	30.1 (1.181)	25.8 (1.016)

\* For embossed tape, add E3000 to part number.

Dimensions in mm (inches).